



PATENT

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Applicants: Cavanagh et al.

Serial No.: 10/699,086

Filed: October 31, 2003

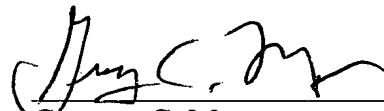
For: METHOD AND APPARATUS
FOR EXHAUST GAS
RECIRCULATION COOLING
USING A VORTEX TUBE TO
COOL RECIRCULATED
EXHAUST GASES

Group Art Unit: To be assigned

Examiner: To be assigned

) I hereby certify that this paper is being
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) February 12, 2004

) 

) Gregory C. Mayer
) Reg. No. 38,238

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith for consideration by the examiner is a Form PTO-1449 listing art to be made of record in this application. Copies of the cited references are enclosed.

This Information Disclosure Statement is being submitted before receipt of a first Office Action on the merits and consequently should be considered by the Patent Office without payment of a fee. See 37 C.F.R. §1.97(b).

Entry and consideration of the identified information is solicited.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN LLP

By: 

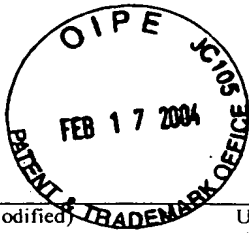
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February 12, 2004

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Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 27581/01745	Serial No. 10/699,086
INFORMATION DISCLOSURE STATEMENT		Applicant Cavanagh et al.	
		Filing Date 10/31/03	Group

U.S. PATENT DOCUMENTS							
*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date if Appropriate
		3,019,780	02/06/62	Nuding	123	119	
		3,397,682	08/20/68	Riggan	123	119	
		3,566,610	03/02/71	Fiore	62	5	
		3,861,142	01/21/75	Bose	60	274	
		3,892,070	07/01/75	Bose	60	279	
		4,345,572	08/24/82	Suzuki et al.	123	568	
		4,426,967	01/24/84	McWhorter	123	315	
		5,193,341	03/16/93	Sibbertsen et al.	60	299	
		5,461,868	10/31/95	Finko	62	5	
		5,617,726	04/08/97	Sheridan et al.	60	605.2	
		6,247,460 B1	06/19/01	Lindberg et al.	123	563	

FOREIGN PATENT DOCUMENTS							
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation
							Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
		"Ranque-Hilsch Vortex Tube", Website Printout, Tim Cockerill, 1995
		EXAIR® "A Phenomenon of Physics", Website Printout, EXAIR Corporation, date unknown
		EXAIR® "Vortex Tubes", Website Printout, EXAIR Corporation, date unknown

Examiner	Date Considered
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	